

We claim:

1. A video recording and playback system comprising:
 - a video storage device for supplying video data at an output;
 - said video storage device including at least one memory capable of storing
 - 5 frames of video data according to a packet format providing a trick mode indicator;
 - a controller coupled to said memory for controlling operations of said memory;
 - a user control device operable with said controller to allow a user to communicate stop and pause commands to said controller;
 - 10 a processor cooperating with said controller so as to clear said trick mode indicator of at least one retrieved packet in response to said stop command and so as to set said trick mode indicator of at least one retrieved packet in response to said pause command.
- 15 2. The system of claim 1 further comprising a video display device including a decoder capable of detecting stop and pause commands based, at least in part, upon said trick mode indicator.
- 20 3. The system of claim 2 wherein said decoder is capable of detecting stop and pause commands after said video display device has stopped providing frames of video data to said decoder in response to a user command.
- 25 4. The system of claim 2 wherein said decoder detects a pause command based upon said trick mode indicator and the contents of a trick mode field of at least one of said packets.
5. The system of claim 1 wherein said trick mode indicator is a trick mode flag of an MPEG-2 compliant video packet.
- 30 6. The system of claim 5 wherein said trick mode field is a trick mode field of an MPEG-2 compliant video packet.
7. The system of claim 1 wherein said packet comprises an MPEG-2 complaint video packet.

8. The system of claim 1 wherein said packet comprises a DSM-CC compliant video packet.

9. A video system including:

5 a sender including an input for receiving video streams and an output for providing packetized data including video images to a receiver;

said sender responsive to user commands;

said receiver including:

an input capable of receiving said packetized data; and

10 an output for providing corresponding video images formatted for display ;

a user operable control device for communicating said user commands to said sender;

15 said commands including at least a first command type and a second command type;

wherein both said first and second command types cause said sender to stop providing said packetized data to said receiver;

20 said sender responsive to said commands so as to indicate the last communicated command type in said packetized data before stopping sending of said packetized data;

said receiver including a decoder for determining, based at least in part upon said indicator, said last communicated command type.

25 10. The system of claim 9 wherein said first command type is a stop command and said second command type is a pause command.

11. The system of claim 10 wherein said receiver causes said display to display a still image when said PAUSE command is received by said sender.

30 12. The system of claim 10 wherein said receiver stops providing images to said display when said STOP command is received by said sender.

13. A video system comprising:

at least one video sender for sending at least one packetized stream including video information to at least one video receiver;

a user operable control device for issuing viewing mode commands to said sender;

5 wherein said viewing mode commands are selected from the group comprising at least a STOP command and a PAUSE command;

said video sender including a command encoder for providing an indicator in said packetized data stream indicating the last received command;

10 said video receiver including a command decoder for determining if said last command was a STOP command or a PAUSE command based, at least in part, on said indicator.

14. The system of claim 13 wherein said video sender comprises a Personal Video Recording Device and wherein said video receiver comprises an MPEG compliant
15 video decoder.

15. The system of claim 13 wherein said video system comprises a High Definition Television system.

20 16. A method for controlling playback of moving pictures including the steps of:
receiving a video data stream comprising moving picture data;
storing at least a portion of said moving picture data in a memory;
retrieving at least a portion of said moving picture data from said memory;
communicating said moving picture data from said memory to a display
25 decoder;

decoding and displaying moving pictures corresponding to said moving picture data;

controlling said communicating step in accordance with first and second user command types;

30 wherein the step of communicating step is stopped in response to both first and second command types;

and wherein the displaying step is carried out so as to display a still picture of said moving pictures in response to said first command type;

and wherein the displaying step is carried out so as to stop display of said moving pictures without displaying said still picture in response to a second command type.

5 17. The method of claim 15 wherein said first command type is a pause command and said second command type is a stop command.

18. A video recording and playback method comprising the steps of:

10 storing frames of video on a storage device in a format providing a trick mode indicator;

retrieving said frames from said storage device responsive to user commands;

setting said trick mode indicator of at least one retrieved frame in response to a pause command;

15 clearing said trick mode indicator of at least one retrieved frame in response to a stop command;

displaying said frames on a display based upon said indicator.

20 19. The method of claim 18 wherein said setting step is performed by personal video recording and playback device.

20. The method of claim 18 wherein said displaying step is performed by a decoder of said display.